COASTAL IMPACT ASSISTANCE PROGRAM
(CIAP)
Tier II

1. PROJECT TITLE: St. James Parish Waterline Booster Pump Station, West Bank

2. ENTITY NOMINATING THE PROJECT: St. James Parish Council

3. CONTACT INFORMATION: Mr. Jody Chenier
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4. TOTAL CIAP FUNDS REQUESTED: $209,000

5. PARISH CIAP FUNDS REQUESTED: $209,000

6. STATE CIAP FUNDS REQUESTED: None

7. INFRASTRUCTURE FUNDS PROPOSED: $209,000

8. DESCRIPTION AND LOCATION OF PROJECT: Due to the substantial increase in oil and gas activities within the Parish, it is necessary for the Parish to construct a waterline booster pump on the west bank of the Parish. Though a similar system is being proposed on the east bank of the Mississippi River, the river divides the Parish in half; thus, requiring the Parish to have two separate waterline systems. The Parish is, therefore, proposing to construct a waterline booster pump station in Welcome, La. The proposed site is located near Section 43, T-11-S, R-3-E, along LA Highway 18. The proposed construction includes the installation of a 40 hp electric motor with an 1,100 gpm high service pump. The pump is designed to be able to overcome a dynamic head pressure condition of 80 feet. The booster pump will be built along the existing waterline and be tied in at two places in order to establish a loop and by-pass system with 10 inch in-line valves. The station will a have metal building with a concrete floor to fully enclose and protect the pump and electrical equipment.

9. PROJECT TYPE: Mitigation of the impacts of OCS activities through funding of onshore infrastructure projects and public service needs.

10. PROJECT JUSTIFICATION: Because of the increase in oil and gas production activities, especially at the oil storage facilities in St. James and the Chevron Phillips facility, an increase in water pressure is needed to meet the extra potable water requirements to maintain the chemical plant's and storage facilities' demands. The west bank of St. James Parish has one of the largest above ground storage tank

networks in the country, which now exceeds 16 million barrels. Additionally, in the event of a fire at one of the plants or storage facilities, the Parish will not have enough water pressure to adequately respond to the incident. Therefore, the Parish needs to construct this high pressure water booster pump. Also, due to the number of pipelines that are located throughout the Parish carrying products from offshore drilling operations, it is extremely necessary that high water pressure be maintained in the water supply system in the event of a fire or pipeline rupture.

Within the project area, there are several industrial fabrication shops that manufacture and repair pumps, motors, and steel components that are needed in the production of offshore gas and oil. These facilities need adequate water supply and pressure. The project is designed to maximize the booster pump's ability to meet and exceed peak flow demands from businesses and industries in the area. The use of CIAP funds to construct the booster pump station will provide a long-term beneficial use of the water supply system. The Parish has already paid the cost to design and engineer the project and will use the CIAP funds to complete the project's construction.

11. PROJECT COST SHARE (NON-CIAP FUNDS): $22,000

The Parish has already hired an engineering consultant to develop plans and specifications for the waterline booster pump station. The cost for the plans, $7,900.00, was paid by the Parish Council. The Parish is prepared to pay any additional costs associated with this project above the amount requested from CIAP funds. Additionally, the remaining costs of bidding, construction representation, surveying, and right-of-way permits are estimated to be $14,100 and will be paid by the Parish. Therefore, all of the requested CIAP funds will be used toward the actual construction cost of the project.